



ALS Environmental  
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February 12, 2015

**Analytical Report for Service Request No: K1501049**

Brittany Park  
Georgia-Pacific Consumer Products LP  
92326 Taylorville Road  
Clatskanie, OR 97016

**RE: FCQ1 2015**

Dear Brittany:

Enclosed are the results of the sample(s) submitted to our laboratory on February 4, 2015. For your reference, these analyses have been assigned our service request number **K1501049**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at [www.alsglobal.com](http://www.alsglobal.com). All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3375. You may also contact me via email at [Janet.Malloch@alsglobal.com](mailto:Janet.Malloch@alsglobal.com).

Respectfully submitted,

**ALS Group USA Corp. dba ALS Environmental**

Janet Malloch  
Project Manager

## Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

### Inorganic Data Qualifiers

- \* The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.  
*DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.
- H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

### Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- J The result is an estimated value.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.  
*DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

### Organic Data Qualifiers

- \* The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated value.
- J The result is an estimated value.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.  
*DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

### Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.



**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso**  
**State Certifications, Accreditations, and Licenses**

Agency	Web Site	Number
Alaska DEC UST	<a href="http://dec.alaska.gov/applications/eh/ehllabreports/USTLabs.aspx">http://dec.alaska.gov/applications/eh/ehllabreports/USTLabs.aspx</a>	UST-040
Arizona DHS	<a href="http://www.azdhs.gov/lab/license/env.htm">http://www.azdhs.gov/lab/license/env.htm</a>	AZ0339
Arkansas - DEQ	<a href="http://www.adeq.state.ar.us/techsvs/labcert.htm">http://www.adeq.state.ar.us/techsvs/labcert.htm</a>	88-0637
California DHS (ELAP)	<a href="http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx">http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx</a>	2795
DOD ELAP	<a href="http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm">http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm</a>	L14-51
Florida DOH	<a href="http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm">http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm</a>	E87412
Hawaii DOH	Not available	-
Idaho DHW	<a href="http://www.healthandwelfare.idaho.gov/Health/Labs/CertificationDrinkingWaterLabs/tabid/1833/Default.aspx">http://www.healthandwelfare.idaho.gov/Health/Labs/CertificationDrinkingWaterLabs/tabid/1833/Default.aspx</a>	-
ISO 17025	<a href="http://www.pjllabs.com/">http://www.pjllabs.com/</a>	L14-50
Louisiana DEQ	<a href="http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx">http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx</a>	03016
Maine DHS	Not available	WA01276
Michigan DEQ	<a href="http://www.michigan.gov/deq/0,1607,7-135-3307_4131_4156---,00.html">http://www.michigan.gov/deq/0,1607,7-135-3307_4131_4156---,00.html</a>	9949
Minnesota DOH	<a href="http://www.health.state.mn.us/accreditation">http://www.health.state.mn.us/accreditation</a>	053-999-457
Montana DPHHS	<a href="http://www.dphhs.mt.gov/publichealth/">http://www.dphhs.mt.gov/publichealth/</a>	CERT0047
Nevada DEP	<a href="http://ndep.nv.gov/bsdwlabservice.htm">http://ndep.nv.gov/bsdwlabservice.htm</a>	WA01276
New Jersey DEP	<a href="http://www.nj.gov/dep/oqa/">http://www.nj.gov/dep/oqa/</a>	WA005
North Carolina DWQ	<a href="http://www.dwqlab.org/">http://www.dwqlab.org/</a>	605
Oklahoma DEQ	<a href="http://www.deq.state.ok.us/CSDnew/labcert.htm">http://www.deq.state.ok.us/CSDnew/labcert.htm</a>	9801
Oregon - DEQ (NELAP)	<a href="http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx">http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx</a>	WA100010
South Carolina DHEC	<a href="http://www.scdhec.gov/environment/envserv/">http://www.scdhec.gov/environment/envserv/</a>	61002
Texas CEQ	<a href="http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html">http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html</a>	T104704427
Washington DOE	<a href="http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html">http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html</a>	C544
Wisconsin DNR	<a href="http://dnr.wi.gov/">http://dnr.wi.gov/</a>	998386840
Wyoming (EPA Region 8)	<a href="http://www.epa.gov/region8/water/dwhome/wyomingdi.html">http://www.epa.gov/region8/water/dwhome/wyomingdi.html</a>	-
Kelso Laboratory Website	<a href="http://www.alsglobal.com">www.alsglobal.com</a>	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at [www.ALSGlobal.com](http://www.ALSGlobal.com) or at the accreditation bodies web site. Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/analyte is offered by that state.

## ALS ENVIRONMENTAL

**Client:** Georgia-Pacific Consumer Products LP  
**Project:** FCQ1 2011  
**Sample Matrix:** Aqueous Liquid

**Service Request No.:** K1501049  
**Date Received:** 02/04/15

### Case Narrative

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier I data deliverables. When appropriate to the method, method blank results have been reported with each analytical test.

### Sample Receipt

Fifteen aqueous liquid samples were received for analysis at ALS Environmental on 02/04/15. The samples were received in good condition and consistent with the accompanying chain of custody form, except where noted on the cooler receipt and preservation form included in this report. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

### Hazardous Air Pollutants by NCASI Method 99.01

#### **Elevated Detection Limits:**

Samples Foul Condensate 1/26, Foul Condensate 1/27, Foul Condensate 1/28 required dilution due to the presence of elevated levels of target analyte. The reporting limits were adjusted to reflect the dilution.

No other anomalies associated with the analysis of these samples were observed.

Approved by

*Janet Mallon*

Columbia Analytical Services, Inc.  
1317 South 13th, Kelso, WA 98626

# Georgia Pacific Wauna Mill

Page 1 of 2  
Service Request:

Phone: (360) 5677-7222 Fax: (360) 636-1068

K15C1049

Project Name/Number: FCQ1 2011							Number of Containers	Analysts Requested									
Report To: Brittany Park																	
Sample I.D.	24 Hour Composite Start Date	24 Hour Composite Start time	Grab Sample Date	Grab Sample Time	LAB ID	Matrix		HAPS									REMARKS
Inlet			01/26/15	10:10 AM			2	X									
Foul Condensate			01/26/15	10:15 AM			2	X									
Zone 1			01/26/15	10:05 AM			2	X									
Zone 2			01/26/15	9:55 AM			2	X									
Outlet			01/26/15	9:45 PM			2	X									
Inlet			01/27/15	3:00 PM			2	X									
Foul Condensate			01/27/15	3:05 PM			2	X									
Zone 1			01/27/15	2:55 PM			2	X									
Zone 2			01/27/15	2:45 PM			2	X									
Outlet			01/27/15	2:40 PM			2	X									
TAT REQUIREMENTS 24 hr 48 hr <u>X</u> 5 day (or earlier) Standard (21 days)			REPORT REQUIREMENTS <u>X</u> I. Routine Report		Comments/Special Instructions: Analyze for Methanol, Methyl Ethyl Ketone, Propionaldehyde, acetaldehyde NCASI DI/HAPS - 99 01												
RELINQUISHED BY: Signature: <u>[Signature]</u> Printed Name: Brittany Park Firm: Georgia-Pacific Date/Time: 2/3/15 1500hrs			RECEIVED BY: Signature: <u>[Signature]</u> Printed Name: <u>Brittany Park</u> Firm: <u>ALS</u> Date/Time: <u>2/3/15 1730</u>			RELINQUISHED BY: Signature: <u>B. Lett</u> Printed Name: <u>B. Lett</u> Firm: <u>ALS</u> Date/Time: <u>2.3.15 17:00</u>			RECEIVED BY: Signature: <u>[Signature]</u> Printed Name: <u>SWOLF</u> Firm: <u>ALS</u> Date/Time: <u>2/4/15 0800</u>								



PC Hand

## Cooler Receipt and Preservation Form

Client / Project: GP Wauna Service Request K15 01049  
 Received: 2/4/15 Opened: 2/4/15 By: SM Unloaded: 2/4/15 By: SM

1. Samples were received via? Mail Fed Ex UPS DHL PDX Courier Hand Delivered  
 2. Samples were received in: (circle) Cooler Box Envelope Other NA  
 3. Were custody seals on coolers? NA Y N If yes, how many and where? \_\_\_\_\_  
 If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID	Tracking Number	NA	Filed
4.4	4.4	0.4	0.4	0	327	NA		NA	
1.7	1.6	1.6	-0.4	-0.1	342				
0.7	0.4	0.6	1.5	-0.3	340				
		0.3							

4. Packing material: Inserts Baggies Bubble Wrap Gel Packs Wet Ice Dry Ice Sleeves \_\_\_\_\_  
 5. Were custody papers properly filled out (ink, signed, etc.)? NA Y N  
 6. Did all bottles arrive in good condition (unbroken)? Indicate in the table below. NA Y N  
 7. Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N  
 8. Did all sample labels and tags agree with custody papers? Indicate major discrepancies in the table on page 2. NA Y N  
 9. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N  
 10. Were the pH-preserved bottles (see SMO GEN SOP) received at the appropriate pH? Indicate in the table below: NA Y N  
 11. Were VOA vials received without headspace? Indicate in the table below: NA Y N  
 12. Was C12/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

## Notes, Discrepancies, &amp; Resolutions:

Second page of COC is missing. Inlet C330  
Zone 1 0326  
Zone 2 0315  
Inlet 0310

Page \_\_\_\_ of \_\_\_\_

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

**Client:** Georgia-Pacific Consumer Products LP  
**Project:** FCQ1 2015  
**Sample Matrix:** Aqueous liquid

**Service Request:** K1501049  
**Date Collected:** 01/26/2015  
**Date Received:** 02/04/2015

HAPS in Condensates by GC/FID

**Sample Name:** Inlet 1/26  
**Lab Code:** K1501049-001  
**Extraction Method:** METHOD  
**Analysis Method:** NCASI HAPS-99.01

**Units:** ug/mL  
**Basis:** NA  
**Level:** Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	26		0.50	0.17	1	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	ND	U	1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	ND	U	1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:



ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client: Georgia-Pacific Consumer Products LP  
 Project: FCQ1 2015  
 Sample Matrix: Aqueous liquid

Service Request: K1501049  
 Date Collected: 01/26/2015  
 Date Received: 02/04/2015

HAPS in Condensates by GC/FID

Sample Name: Foul Condensate 1/26  
 Lab Code: K1501049-002  
 Extraction Method: METHOD  
 Analysis Method: NCASI HAPS-99.01

Units: ug/mL  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	1200	D	5.0	1.7	10	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	2.6		1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	7.6		1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client: Georgia-Pacific Consumer Products LP  
Project: FCQ1 2015  
Sample Matrix: Aqueous liquid

Service Request: K1501049  
Date Collected: 01/26/2015  
Date Received: 02/04/2015

HAPS in Condensates by GC/FID

Sample Name: Zone 1 1/26  
Lab Code: K1501049-003  
Extraction Method: METHOD  
Analysis Method: NCASI HAPS-99.01

Units: ug/mL  
Basis: NA  
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	9.8		0.50	0.17	1	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	ND	U	1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	ND	U	1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

**Client:** Georgia-Pacific Consumer Products LP  
**Project:** FCQ1 2015  
**Sample Matrix:** Aqueous liquid

**Service Request:** K1501049  
**Date Collected:** 01/26/2015  
**Date Received:** 02/04/2015

HAPS in Condensates by GC/FID

**Sample Name:** Zone 2 1/26  
**Lab Code:** K1501049-004  
**Extraction Method:** METHOD  
**Analysis Method:** NCASI HAPS-99.01

**Units:** ug/mL  
**Basis:** NA  
**Level:** Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	0.46	J	0.50	0.17	1	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	ND	U	1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	ND	U	1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client: Georgia-Pacific Consumer Products LP  
 Project: FCQ1 2015  
 Sample Matrix: Aqueous liquid

Service Request: K1501049  
 Date Collected: 01/26/2015  
 Date Received: 02/04/2015

HAPS in Condensates by GC/FID

Sample Name: Outlet 1/26  
 Lab Code: K1501049-005  
 Extraction Method: METHOD  
 Analysis Method: NCASI HAPS-99.01

Units: ug/mL  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	0.45	J	0.50	0.17	1	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	ND	U	1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	ND	U	1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:



ALS Group USA, Corp. dba ALS Environmental

Analytical Results

**Client:** Georgia-Pacific Consumer Products LP  
**Project:** FCQ1 2015  
**Sample Matrix:** Aqueous liquid

**Service Request:** K1501049  
**Date Collected:** 01/27/2015  
**Date Received:** 02/04/2015

HAPS in Condensates by GC/FID

**Sample Name:** Inlet 1/27  
**Lab Code:** K1501049-006  
**Extraction Method:** METHOD  
**Analysis Method:** NCASI HAPS-99.01

**Units:** ug/mL  
**Basis:** NA  
**Level:** Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	29		0.50	0.17	1	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	ND	U	1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	ND	U	1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

**Client:** Georgia-Pacific Consumer Products LP  
**Project:** FCQ1 2015  
**Sample Matrix:** Aqueous liquid

**Service Request:** K1501049  
**Date Collected:** 01/27/2015  
**Date Received:** 02/04/2015

HAPS in Condensates by GC/FID

**Sample Name:** Foul Condensate 1/27  
**Lab Code:** K1501049-007  
**Extraction Method:** METHOD  
**Analysis Method:** NCASI HAPS-99.01

**Units:** ug/mL  
**Basis:** NA  
**Level:** Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	1200	D	5.0	1.7	10	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	2.3		1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	6.7		1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client: Georgia-Pacific Consumer Products LP  
Project: FCQ1 2015  
Sample Matrix: Aqueous liquid

Service Request: K1501049  
Date Collected: 01/27/2015  
Date Received: 02/04/2015

HAPS in Condensates by GC/FID

Sample Name: Zone 1 1/27  
Lab Code: K1501049-008  
Extraction Method: METHOD  
Analysis Method: NCASI HAPS-99.01

Units: ug/mL  
Basis: NA  
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	7.9		0.50	0.17	1	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	ND	U	1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	ND	U	1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client: Georgia-Pacific Consumer Products LP  
Project: FCQ1 2015  
Sample Matrix: Aqueous liquid

Service Request: K1501049  
Date Collected: 01/27/2015  
Date Received: 02/04/2015

HAPS in Condensates by GC/FID

Sample Name: Zone 2 1/27  
Lab Code: K1501049-009  
Extraction Method: METHOD  
Analysis Method: NCASI HAPS-99.01

Units: ug/mL  
Basis: NA  
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	0.44	J	0.50	0.17	1	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	ND	U	1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	ND	U	1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:



ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client: Georgia-Pacific Consumer Products LP  
Project: FCQ1 2015  
Sample Matrix: Aqueous liquid

Service Request: K1501049  
Date Collected: 01/27/2015  
Date Received: 02/04/2015

HAPS in Condensates by GC/FID

Sample Name: Outlet 1/27  
Lab Code: K1501049-010  
Extraction Method: METHOD  
Analysis Method: NCASI HAPS-99.01

Units: ug/mL  
Basis: NA  
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	0.49	J	0.50	0.17	1	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	ND	U	1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	ND	U	1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

**Client:** Georgia-Pacific Consumer Products LP  
**Project:** FCQ1 2015  
**Sample Matrix:** Aqueous liquid

**Service Request:** K1501049  
**Date Collected:** 01/28/2015  
**Date Received:** 02/04/2015

HAPS in Condensates by GC/FID

**Sample Name:** Inlet 1/28  
**Lab Code:** K1501049-011  
**Extraction Method:** METHOD  
**Analysis Method:** NCASI HAPS-99.01

**Units:** ug/mL  
**Basis:** NA  
**Level:** Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	29		0.50	0.17	1	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	ND	U	1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	0.17	J	1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client: Georgia-Pacific Consumer Products LP  
Project: FCQ1 2015  
Sample Matrix: Aqueous liquid

Service Request: K1501049  
Date Collected: 01/28/2015  
Date Received: 02/04/2015

HAPS in Condensates by GC/FID

Sample Name: Foul Condensate 1/28  
Lab Code: K1501049-012  
Extraction Method: METHOD  
Analysis Method: NCASI HAPS-99.01

Units: ug/mL  
Basis: NA  
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	1300	D	5.0	1.7	10	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	2.8		1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	6.8		1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

**Client:** Georgia-Pacific Consumer Products LP  
**Project:** FCQ1 2015  
**Sample Matrix:** Aqueous liquid

**Service Request:** K1501049  
**Date Collected:** 01/28/2015  
**Date Received:** 02/04/2015

HAPS in Condensates by GC/FID

**Sample Name:** Zone 1 1/28  
**Lab Code:** K1501049-013  
**Extraction Method:** METHOD  
**Analysis Method:** NCASI HAPS-99.01

**Units:** ug/mL  
**Basis:** NA  
**Level:** Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	7.0		0.50	0.17	1	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	0.22	J	1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	ND	U	1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:



ALS Group USA, Corp. dba ALS Environmental

Analytical Results

**Client:** Georgia-Pacific Consumer Products LP  
**Project:** FCQ1 2015  
**Sample Matrix:** Aqueous liquid

**Service Request:** K1501049  
**Date Collected:** 01/28/2015  
**Date Received:** 02/04/2015

HAPS in Condensates by GC/FID

**Sample Name:** Zone 2 1/28  
**Lab Code:** K1501049-014  
**Extraction Method:** METHOD  
**Analysis Method:** NCASI HAPS-99.01

**Units:** ug/mL  
**Basis:** NA  
**Level:** Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	0.33	J	0.50	0.17	1	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	ND	U	1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	ND	U	1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client: Georgia-Pacific Consumer Products LP  
 Project: FCQ1 2015  
 Sample Matrix: Aqueous liquid

Service Request: K1501049  
 Date Collected: 01/28/2015  
 Date Received: 02/04/2015

HAPS in Condensates by GC/FID

Sample Name: Outlet 1/28  
 Lab Code: K1501049-015  
 Extraction Method: METHOD  
 Analysis Method: NCASI HAPS-99.01

Units: ug/mL  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	0.36	J	0.50	0.17	1	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	ND	U	1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	ND	U	1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Results

Client: Georgia-Pacific Consumer Products LP  
 Project: FCQ1 2015  
 Sample Matrix: Aqueous liquid

Service Request: K1501049  
 Date Collected: NA  
 Date Received: NA

HAPS in Condensates by GC/FID

Sample Name: Method Blank  
 Lab Code: KWG1501028-4  
 Extraction Method: METHOD  
 Analysis Method: NCASI HAPS-99.01

Units: ug/mL  
 Basis: NA  
 Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	ND	U	0.50	0.17	1	02/05/15	02/05/15	KWG1501028	
Acetaldehyde	ND	U	1.0	0.15	1	02/05/15	02/05/15	KWG1501028	
Propionaldehyde	ND	U	1.0	0.16	1	02/05/15	02/05/15	KWG1501028	
Methyl Ethyl Ketone	ND	U	1.0	0.17	1	02/05/15	02/05/15	KWG1501028	

Comments:

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client:** Georgia-Pacific Consumer Products LP  
**Project:** FCQ1 2015  
**Sample Matrix:** Aqueous Liquid

**Service Request:** K1501049  
**Date Collected:** 1/27/2015  
**Date Received:** 2/4/2015  
**Date Extracted:** 2/10/2015  
**Date Analyzed:** 2/11/2015

Triplicate Summary  
 NCASI Triplicate MML Check

**Sample Name:** Zone 2 1/27  
**Lab Code:** K1501049-009  
**Test Notes:**

**Units:** ug/ml  
**Basis:** NA

Analyte	Prep Method	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Triplicate Sample Result	Average	Percent Relative Standard Deviation	% RSD Acceptance Limit
Acetaldehyde	METHOD	NCASI	1.0	0.979	1.223	1.139	1.11	11	20
Methanol	METHOD	NCASI	0.5	1.2	1.307	1.351	1.29	6	20
Propionaldehyde	METHOD	NCASI	1.0	0.992	1.025	1.198	1.07	10	20
2-Butanone (MEK)	METHOD	NCASI	1.0	1.132	1.092	1.053	1.09	4	20